TABLE OF CONTENTS

ALFRIEND, K. T. and S. L. COFFEY / Elimination of the Perigee in the Satellite Problem 163

BANFI, V. / A Correction to Griffith's Retention Theorem for the $(n + 1)$ Body Problem 93

BLITZER, LEON / Precession Dynamics in Spin-Orbit Coupling: A Unified Theory 355

BORDERIES, NICOLE and PETER GOLDREICH / A Simple Derivation of Capture Probabilities for the $J + 1:J$ and $J + 2:J$ Orbit-Orbit Resonance Problems 127

BREAKWELL, J. V., *see* Howell, K. C.

BYKOVA, L. E. and V. V. SHIKHALEV / New Orbital Elements of Phoebe, The IX Satellite of Saturn 185

CARUSI, ANDREA, *see* Valsecchi, Giovanni B. *et al.*

COFFEY, S. L., *see* Alfriend, K. T.

CUI, DOU-XING / A Method for Computation of Perturbances 1

DENISIK, S. A., *see* Ferronsky, V. I. *et al.*

DONNISON, J. R. / The Stability of Masses During Three-Body Encounters 145

FERRAZ-MELLO, S., *see* Sessin, W.

FERRER, S. and M. L. SEIN-ECHALUCE / On the Szebehely-Bond Equation. Generalized Sundman's Transformation for the Perturbed Two-Body Problem 333

FERRONSKY, S. V., *see* Ferronsky, V. I. *et al.*

FERRONSKY, V. I., S. A. DENISIK, and S. V. FERRONSKY / Virial Oscillations of Celestial Bodies. III: The Solution of the Evolutionary Problem in Non-Newtonian Time Scale 173

GOLDREICH, PETER, *see* Borderies, Nicole

HOUGH, MICHAEL E. / Semi-Analytic Solution of a Two-Body Problem with Drag 371

HOWELL, K. C. / Three-Dimensional Periodic, 'Halo' Orbits 53

HOWELL, K. C. and J. V. BREAKWELL / Almost Rectilinear Halo Orbits 29

HOWLAND, R. A. and D. L. RICHARDSON / The Hamiltonian Transformation in Quadratic Lie Transforms 99

ISHWAR, BHOLA, *see* Singh, Jagadish

LASKAR, JACQUES and CHRISTIAN MARCHAL / Triple Close Approach in the Three-Body Problem: A Limit for the Bounded Orbits 15

LEMAÎTRE, A. / High-Order Resonances in the Restricted Three-Body Problem 109

MARCHAL, CHRISTIAN, *see* Laskar, Jacques

MELIS, A. and B. PIRAS / An Extension of Szebehely's Problem to Holonomic Systems 87

PIRAS, B., *see* Melis, A.

PUEL, FRANÇOIS / Formulation intrinsèque de l'equation de Szebehely (Intrinsic Formulation of Szebehely's Equation) 209

PUEL, FRANÇOIS / Equation de Szebehely et Principes Variationnels (Szebehely's Equation and Principle Variations) 349

TABLE OF CONTENTS

RICHARDSON, D. L., *see* Howland, R. A.
ROY, ARCHIE E., *see* Valsecchi, Giovanni B. *et al.*
SEIN-ECHALUCE, M. L., *see* Ferrer, S.
SESSIN, W. and S. FERRAZ-MELLO / Motion of Two Planets with Periods Commensurable in the Ratio 2:1 Solutions of the Hori Auxiliary System 307
SHIKHALEV, V. V., *see* Bykova, L. E.
SINGH, JAGADISH and BHOLA ISHWAR / Effect of Perturbations on the Location of Equilibrium Points in the Restricted Problem of Three Bodies with Variable Mass 297
SOLER, THOMÁS / A New Matrix Development of the Potential and Attraction at Exterior Points as a Function of the Inertia Tensors 257
STAGG, CHRISTOPHER / Almost-Square Orbits in the Restricted Problem of Three Bodies 365
STELLMACHER, I. / Systemes Hamiltoniens au voisinage d'une solution d'equilibre. I: Orbites périodiques dans les cas résonnants (Hamiltonian Systems in the Neighbourhood of an Equilibrium Solution. I: Periodic Orbits in Cases of Resonance) 231
STELLMACHER, I. / Systemes Hamiltoniens au voisinage d'une solution d'equilibre. II: Stabilité des solutions périodiques (Hamiltonian Systems in the Neighbourhood of an Equilibrium Solution. II: The Stability of Periodic Solutions 247
SZEBEHELY, VICTOR, *see* Whipple, Arthur L.
VALSECCHI, GIOVANNI B., ANDREA CARUSI, and ARCHIE E. ROY / The Effect of Orbital Eccentricities on the Shape of the Hill-type Analytical Stability Surfaces in the General Three-Body Problem 217
VIVARELLI, MARIA DINA / Development of Spinor Descriptions of Rotational Mechanics from Euler's Rigid Body Displacement Theorem 193
WHIPPLE, ARTHUR L. and VICTOR SZEBEHELY / The Restricted Problem of $n + \nu$ Bodies 137
YOSHIDA, HARUO / A Type of Second Order Linear Ordinary Differential Equations with Periodic Coefficients for which the Characteristic Exponents Have Exact Expressions 73

BOOK REVIEW

Patrick A. Wayman (ed.), *Transactions of the Internal Astronomical Union*, Vol. XVIII (A) (PAUL NACOZY) 389